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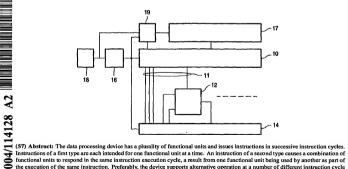
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(54) Title: INSTRUCTION CONTROLLED DATA PROCESSING DEVICE



the execution of the same instruction. Preferably, the device supports alternative operation at a number of different instruction cycle rates, dependent on whether an executed program segment contains instructions of the second type. The fastest instruction cycle rate does not allow execution of the instruction of the second type, because operation by different functional units does not fit within the instruction execution cycle. When possible, the device saves power by switching to a slower clock rate, in which case instructions of the second type are executed to save additional power, by reducing the number of instructions that have to be issued.



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